

## Coherent Logix, Incorporated

Headquarters:

1120 S. Capital of Texas Hwy

Building 3, Suite 310

Austin, Texas 78746



Maker of ultra low-power, extremely-high performance, C-programmable processors (HyperX™) and RF chipsets (rfX™) for the embedded systems market – enabling low-power, real-time software defined systems.

Michael B. Doerr

Chief Technology Officer

doerr@coherentlogix.com

512-791-6489

<http://www.coherentlogix.com>

**Wireless**  
**Image / Video**

**Mil / Aero**

**High-Rel / Rad-Tol**

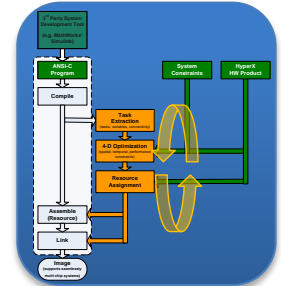
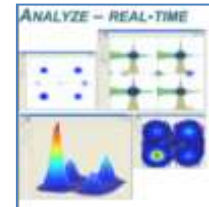
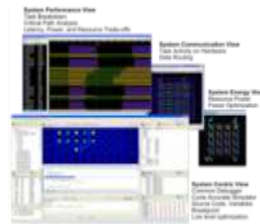


# Research Areas:

## Market Application requirements driving programmable development solutions to product



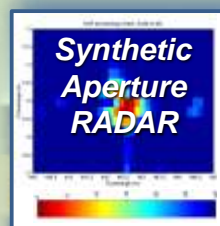
system development to hardware product solutions



### software development tool solutions

## Enabling Systems for the Warfighter

Low Power • High Performance • Portable • Battery Operated



JAN-TE

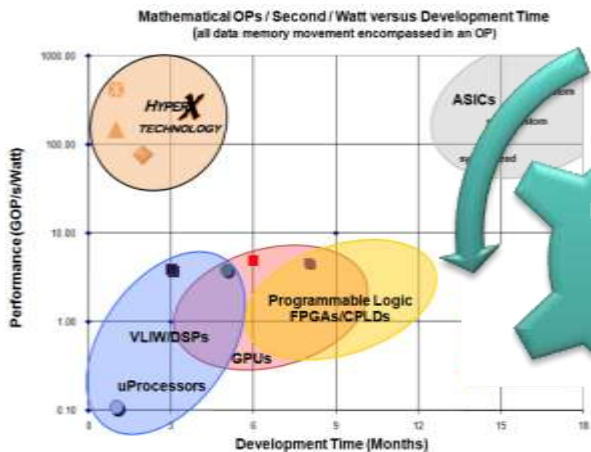
WNW

SRW



- ☐ Software Defined Radio
- ☐ Software Defined GPS
- ☐ Anti-jam GPS
- ☐ Surveillance Receiver
- ☐ Hyperspectral Imaging
- ☐ Multi-spectral Data Fusion
- ☐ Remote Sensor Platform
- ☐ Cryptography

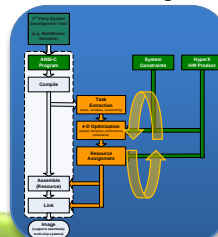
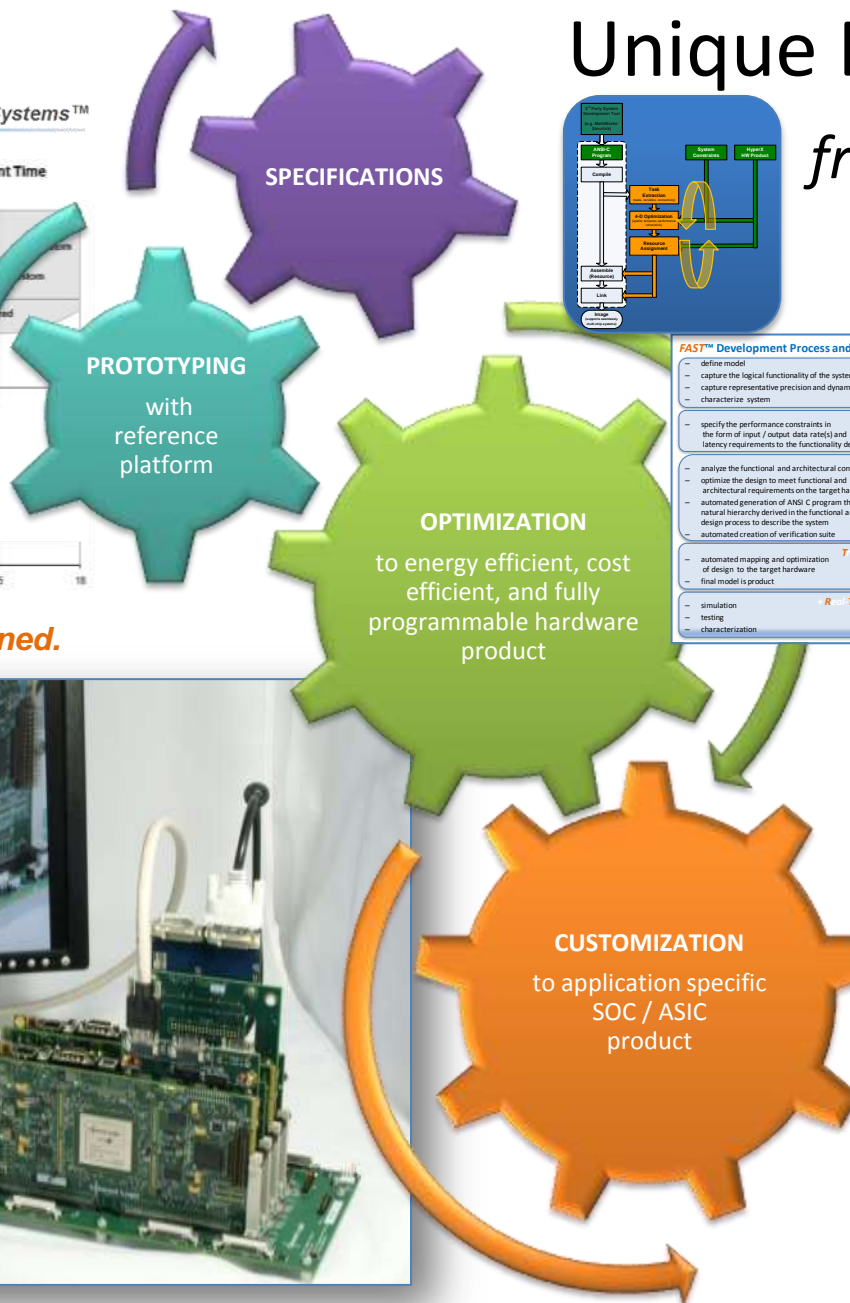




**Low Power Processing, Redefined.**

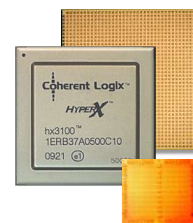
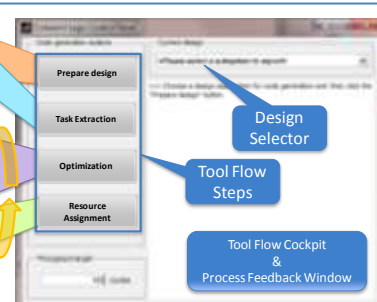


# Unique Design Flow from Prototyping to Product



## FAST™ Development Process and RTA™

- define model
- capture the logical functionality of the system
- capture representative precision and dynamic range
- characterize system
- specify the performance constraints in the form of input / output data rates and latency requirements to the functionality defined
- analyze the functional and architectural constraints
- optimize the design to meet functional and architectural requirements on the target hardware
- automated generation of ANSI C program that represents natural hierarchy derived in the functional and system design process to describe the system
- automated creation of verification suite
- automated mapping and optimization of design to the target hardware
- final model is product
- simulation
- testing
- characterization





# Why we are interested in SHO?

- We are interested in supporting the hardware and software development infrastructure to support the experimentation and prototyping of 3D display systems with an eye towards providing production 3D display programmable processors.
- Questions?
- Contact Information: Michael B. Doerr  
Chief Technology Officer  
doerr@coherentlogix.com  
512-791-6489  
<http://www.coherentlogix.com>